

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>PHDE030215US</b>
INTERNATIONAL APPLICATION NO. <b>PCT/IB2004/050849</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) .. <b>10/560186</b>
INTERNATIONAL FILING DATE <b>June 7, 2004</b>		PRIORITY DATE CLAIMED <b>June 16, 2003</b>
TITLE OF INVENTION <b>DETECTGOR FOR THE TEMPORALLY RESOLVED RECORDING OF DETECTION EVENTS</b>		
APPLICANT(S) FOR DO/EO/US <b>Walter Rutten, Michael Overdick</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<div style="display: flex; flex-direction: column;"><div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">1.</div><div><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">2.</div><div><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">3.</div><div><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">4.</div><div><input checked="" type="checkbox"/> The US has been elected (Article 31).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">5.</div><div><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<div style="margin-left: 20px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">a.</div><div><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">b.</div><div><input checked="" type="checkbox"/> has been communicated by the International Bureau.</div></div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; text-align: center; margin-right: 5px;">c.</div><div><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</div></div></div></div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">6.</div><div><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<div style="margin-left: 20px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">a.</div><div><input type="checkbox"/> is attached hereto.</div></div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; text-align: center; margin-right: 5px;">b.</div><div><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</div></div></div></div></div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">7.</div><div><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<div style="margin-left: 20px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">a.</div><div><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">b.</div><div><input type="checkbox"/> have been communicated by the International Bureau.</div></div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; text-align: center; margin-right: 5px;">c.</div><div><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</div></div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; text-align: center; margin-right: 5px;">d.</div><div><input checked="" type="checkbox"/> have not been made and will not be made.</div></div></div></div></div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">8.</div><div><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">9.</div><div><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">10.</div><div><input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</div></div></div></div><div style="margin-top: 10px;">Items 11 to 20 below concern document(s) or information included:</div><div style="display: flex; flex-direction: column;"><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">11.</div><div><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">12.</div><div><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">13.</div><div><input checked="" type="checkbox"/> A preliminary amendment.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">14.</div><div><input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">15.</div><div><input type="checkbox"/> A substitute specification.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">16.</div><div><input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">17.</div><div><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">18.</div><div><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">19.</div><div><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</div></div><div style="display: flex; align-items: flex-start; margin-bottom: 10px;"><div style="width: 30px; text-align: center; margin-right: 10px;">20.</div><div><input checked="" type="checkbox"/> Other items or information:</div></div></div></div>		

CERTIFICATE OF EXPRESS MAILING

Express Mail No. EQ 128057436 US  
Date of Deposit December 9, 2005

I hereby certify that this paper and fee is being deposited with the United States Postal Service "Express Mail" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Patricia A. Heim

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/560186</div>		INTERNATIONAL APPLICATION NO. PCT/IB2004/050849		ATTORNEY'S DOCKET NUMBER PHDE030215US	
The following fees have been submitted				<b>CALCULATIONS      PTO USE ONLY</b>	
21. <input type="checkbox"/> Basic national fee ..... \$300				\$ 300.00	
22. <input type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100 All other situations ..... \$200				\$ 200.00	
23. <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared and provided to the Office ..... \$400 All other situations ..... \$500				\$ 400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	20 - 20 =	0	x \$ 50	\$	
Independent claims	3 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 900.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 900.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 900.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 900.00</b>	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>14-1270</u> in the amount of \$ <u>940.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1270</u> . A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Customer Number 38107			<div style="text-align: center;">             SIGNATURE            Douglas B. McKnight            NAME            50,447            REGISTRATION NUMBER         </div>		